

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,974

DATE: 10/30/2001

TIME: 14:12:35

Input Set : A:\Dsc64-2.app

Output Set: N:\CRF3\10302001\I937974.raw

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3 <110> APPLICANT: Van Den Boss, Christian
 4 Mbalaviele, Gabriel
 6 <120> TITLE OF INVENTION: Human Mesenchymal DNAs and Expression Products
 8 <130> FILE REFERENCE: 640100-363
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/937,974
 C--> 11 <141> CURRENT FILING DATE: 2001-10-01
 13 <150> PRIOR APPLICATION NUMBER: 60/127,418
 14 <151> PRIOR FILING DATE: 1999-04-01
 16 <150> PRIOR APPLICATION NUMBER: 60/148,800
 17 <151> PRIOR FILING DATE: 1999-08-13
 19 <160> NUMBER OF SEQ ID NOS: 29
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 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
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 30 from human mesenchymal stem cells after treatment
 31 with growth supplement
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 36 tgttcatggc aacacgagaa cttctgcgga ttccccaagc agccctggcc aagccaatct 180
 37 ctatacctac aaacctagtg tccctctttt ctgctatgt tgaccggcag aaactgaact 240
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 39 tgtacctcct ttggtgtgcc acctgcactg ctgccatcac caatggagtg tttttaatga 360
 40 gggaaggaag gtagcttttt ccccaaagca aagtcttctg ggatcgattc ctgtttacag 420
 41 gggttgtctc tctaaatgtc agataattcc ccaactgctct atgaaatttg gctgggtgat 480
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 43 tctgttttgc attttctttg cctagagac acaagtgtaa tctctccctt tatccctcca 600
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 46 gatatacaca cacacataga tacacacaca cacaccccat acatgtattt atgtggtctt 780
 47 cagagggtcc ttaaagaatg aatttttagat tgaaaaatat ttagttgtct cattacctct 840
 48 tctaaacaca aaccagctga tgtattttta tctgtttctg ttctatcttg taattaattt 900
 49 ggtgggttct acttgtttta acataaataa agagtatgca gcacgtttta taaaatcaga 960
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62 tctccatttc tctccatgct gtaaccccag gctccaccag ctgttcccca gtgatgttac 1740
63 ctactctccc tctaccgttg tctactgacc atttccacta catgcccttc ctaccctccc 1800
64 ttccacaacca atcaagttaa tacttgatta ttatctcttc cttaactgtgc ttatcttttt 1860
65 ttgtttggat ttgttctaal taatgaaaat aaaagtctct aaatttacct ttttataggg 1920
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75 <223> OTHER INFORMATION: Description of Artificial Sequence: Putative
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85 Pro Val Gly Phe Cys Leu Leu Val Leu Arg Leu Phe Leu Gly Ile His
86 35 40 45
88 Val Phe Leu Val Ser Cys Ala Leu Pro Asp Ser Val Leu Arg Arg Phe
89 50 55 60
91 Val Val Arg Thr Met Cys Ala Val Leu Gly Leu Val Ala Arg Gln Glu
92 65 70 75 80
94 Asp Ser Gly Leu Arg Asp His Ser Val Arg Val Leu Ile Ser Asn His
95 85 90 95
97 Val Thr Pro Phe Asp His Asn Ile Val Asn Leu Leu Thr Thr Cys Ser
98 100 105 110
100 Thr Pro Leu Leu Asn Ser Pro Pro Ser Phe Val Cys Trp Ser Arg Gly
101 115 120 125
103 Phe Met Glu Met Asn Gly Arg Gly Glu Leu Val Glu Ser Leu Lys Arg
104 130 135 140
106 Phe Cys Ala Ser Thr Arg Leu Pro Pro Thr Pro Leu Leu Leu Phe Pro
107 145 150 155 160
109 Glu Glu Glu Ala Thr Asn Gly Arg Glu Gly Leu Leu Arg Phe Ser Ser
110 165 170 175
112 Trp Pro Phe Ser Ile Gln Asp Val Val Gln Pro Leu Thr Leu Gln Val
113 180 185 190
115 Gln Arg Pro Leu Val Ser Val Thr Val Ser Asp Ala Ser Trp Val Ser
116 195 200 205
118 Glu Leu Leu Trp Ser Leu Phe Val Pro Phe Thr Val Tyr Gln Val Arg
119 210 215 220
121 Trp Leu Arg Pro Val His Arg Gln Leu Gly Glu Ala Asn Glu Glu Phe
122 225 230 235 240
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136 Lys Glu Val Leu Pro His Val Pro Leu Gly Val Ile Gln Arg Asp Leu
137 305      310      315      320
139 Ala Lys Thr Gly Cys Val Asp Leu Thr Ile Thr Asn Leu Leu Glu Gly
140      325      330      335
142 Ala Val Ala Phe Met Pro Glu Asp Ile Thr Lys Gly Thr Gln Ser Leu
143      340      345      350
145 Pro Thr Ala Ser Ala Ser Lys Phe Pro Ser Ser Gly Pro Val Thr Pro
146      355      360      365
148 Gln Pro Thr Ala Leu Thr Phe Ala Lys Ser Ser Trp Ala Arg Gln Glu
149      370      375      380
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163 <220> FEATURE:
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166      with growth supplement
168 <400> SEQUENCE: 3
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171 ccgtcaggtc tccgctgggg caggaaccgg aatcatgggt gggaccacca gcacccgccg 180
172 ggtcaccttc gaggcggacg agaatgagaa catcacctg gtgaagggca tccggtttc 240
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175 gctggcattg gagcaagcca agaaagaatc cgaagatcag aaacgactaa agcaagccaa 420
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177 gaggatatgt agcagaggag aacgcgctaa ggcaaagcac ctggctaggc agctggaaga 540
178 gaaagaccga gtgctaaaga agcaggatgc attctacaaa gaacagctgg ctgactgga 600
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194 tattttttatc aatatgaagg caaccttggc tgataaaacc tctatagtga ataactacat 1560
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212           20           25           30
214 Ile Asp Arg Met Lys Glu Ser Ser Pro Ser Gly Ser Lys Ser Gln Arg
215           35           40           45
217 Tyr Ser Gly Ala Tyr Gly Ala Ser Val Ser Asp Glu Glu Leu Lys Arg
218           50           55           60
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221           65           70           75           80
223 Asp Gln Lys Arg Leu Lys Gln Ala Lys Glu Leu Asp Arg Glu Arg Ala
224           85           90           95
226 Ala Ala Asn Glu Gln Leu Thr Arg Ala Ile Leu Arg Glu Arg Ile Cys
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232 Glu Lys Lys Asp Arg Val Leu Lys Lys Gln Asp Ala Phe Tyr Lys Glu Gln
233           130          135          140
235 Leu Ala Arg Leu Glu Glu Arg Ser Ser Glu Phe Tyr Arg Val Thr Thr
236           145          150          155          160
238 Glu Gln Tyr Gln Lys Ala Ala Glu Glu Val Glu Ala Lys Phe Lys Arg
239           165          170          175
241 Tyr Glu Ser His Pro Val Cys Ala Asp Leu Gln Ala Lys Ile Leu Gln
242           180          185          190
244 Cys Tyr Arg Glu Asn Thr His Gln Thr Leu Lys Cys Ser Ala Leu Ala
245           195          200          205
247 Thr Gln Tyr Met His Cys Val Asn His Ala Lys Gln Ser Met Leu Glu
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259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA derived

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Input Set : A:\Dsc64-2.app

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261      from human mesenchymal stem cells after treatment
262      with growth supplement
264 <400> SEQUENCE: 5
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267 qccctcgcgc gcgcgcgcgc gctggcgagc cagcgcgcgc cgcacacggg cgaacgcgcg 180
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294 aaacaaacaa accaaaccaa accaaaaaaa tctcaaagcg attggacctt gcagctcatg 1800
295 cctgtaattc ccagcacttt gggagggcga ggcaggagga tctcttgaag tcaagagttt 1860
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305 <223> OTHER INFORMATION: Description of Artificial Sequence: Putative
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313             20             25             30
315 Arg Ser Thr Leu Ala Lys His Ala Arg Thr His Thr Gly Glu Arg Pro
316             35             40             45

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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date